

Process Gas Monitoring / Liquid Monitoring Systems

- O₂ monitoring in different media
- CO, CH₄, CO₂, H₂S, H₂ monitoring in different gas mixtures
- Monitoring the purity of He, H₂, N₂, Ar, CO₂ and other industrial gases
- Medical gas purity
- Monitoring of chlorine, EDC and other industrial gases
- Applications monitoring various components in the oil and gas industry as well as in refineries
- Heat value and Wobbe index
- Monitoring to control the Claus process
- Monitoring of H₂S, mercaptans, COS and other sulfur components in various industrial processes
- Monitoring the sulfur content of gasoline, diesel and other fuels
- Process chromatography and mass spectrometry
- Monitoring of gases and liquids in the semiconductor industry
- Monitoring of gases and liquids in the production of PVC
- Monitoring in chlorine chemistry
- Monitoring in nitrogen chemistry
- Process gas purity monitoring
- Monitoring of clean gas production based on air separation
- Monitoring of packaging gases in the food industry
- H₂ process monitoring
- Steam flow
- Compressed air flow

Combustion Process Control

In-situ and semi-extractive analyzers using ZrO₂ cells with the possibility of simultaneous measurement of O₂ and CO

Laser TDL analyzers for monitoring O₂ and CO in flue gases across the combustion chamber



Analyzers for Chemical and Petrochemical Applications

NDIR analyzers for SO₂, H₂S, CO, CO₂, NH₃, HCl, CH₄ and other gases. H₂S and total sulfur content of gases and liquids (including petrol and diesel)



Broad range of paramagnetic, ZrO₂, electrochemical and laser analyzers for monitoring of oxygen purity or trace concentrations



Oxygen Analyzers for Different Media

O₂ analyzers for extreme pressures, temperatures, corrosivity, or explosive environments of technological processes



Industrial Analyzers for Pharmaceutical Industry, Semiconductor Industry and Industrial Gas Manufacturers

Multicomponent FTIR, NIR and Raman analyzers for many applications



Physical Parameters

Color, turbidity, cloud point, flash point, freeze point, viscosity, vapor pressure, opacity, distillation curve monitors in accordance to ASTM standart



Hydrogen Analyzers

Selective analysis of H₂ concentration in different media



Syngas and Biogas Monitoring

Analytical systems H₂, CO, CH₄, CO₂, H₂S



Probes and Analyzers for Cement Kiln Control

Monitoring of SO₂, CO, CO₂, O₂, NO_x at high temperatures and extreme dust



Claus Process Tail Gas Monitoring

Monitoring of H₂S and SO₂ in the conditions of the Claus process for H₂S separation from process gases



Analyzers for Food Industry

O₂, CO₂ packaging gas analyzers.
CO₂ purity analyzers for beverage manufacturers



Process Gas Chromatographs and MS instruments

Instruments for monitoring various gaseous compounds, for monitoring technological processes.

Mass spectrometers with ultrafast measuring cycle time for many applications



Analyzers for Industrial Gas Producers

Monitoring of purity and trace pollution of Ar, O₂, CO₂, N₂ and other industrial gases in production process, transport and filling



Humidity and Moisture Monitoring

- Dew point and humidity of gases
- Water content in liquids
- Solids moisture



Natural Gas Analyzers

Instruments based on compact sensors, or chromatography TDL monitoring of humidity and sulfur in NG



Monitoring of Flare and Waste Gases

Flow, composition and calorific value of faecal and waste gases with variable humidity from different processes



Flow and Pressure Monitoring

- Clamp-on flow meters
- In-situ flow meters
- Powder and granulate flow meters
- Vibration resistant pressure gauges



For detailed information on any solutions of your interest we are gladly available on our below contact:

ECM ECO Monitoring, a.s.
Nevádzová 5, 821 01 Bratislava
Slovak Republic

Tel.: +421 2 4342 9417
E-mail: ecm@ecm.sk
www.ecmonitoring.com